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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/738,353	
	Filing Date	December 17, 2003	
	First Named Inventor	Michael Ward	
	Group Art Unit	TBA	
	Examiner Name	TBA	
Total Number of Pages in This Submission		Attorney Docket Number	ATMI-677

ENCLOSURES (check all that apply)		
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	William F. Ryann, Reg. No. 44,313
Signature	
Date	4/22/04

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I hereby certify that this correspondence is being deposited pursuant to 37 C.F.R. 1.8 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: 4-26-04		
Type or printed name	Lee Ann DiLello	
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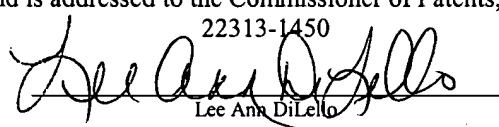
ATMI-677
PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Michael Ward, et al. Group Art Unit: TBA
U.S. Application No.: 10/738,353 Examiner: TBA
Filed: December 17, 2003
Title: SEMICONDUCTOR ALLOY WITH LOW SURFACE ROUGHNESS, AND METHOD
OF MAKING SAME

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I hereby certify that this paper or fee is being deposited pursuant to 37 CFR 1.8
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Lee Ann DiLello

April 26, 2004
Date

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
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Sir:

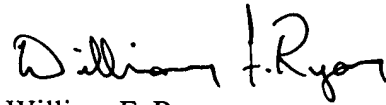
Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required in accordance with 37 CFR § 1.56 and § 1.97(b).

- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was the first citation of such item by a foreign patent office in a counterpart foreign application, which occurred no more than three months prior to filing the Information Disclosure Statement. 37 C.F.R. §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2).
- ☐ c. Attached is our check no. ____ in the amount of \$180 in payment of the fee under 37 C.F.R. §1.17(p). Please credit or debit Deposit Account No. 50-0860 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered. Attached is our check no. ____ in the amount of \$130.00 in payment of the petition fee under 37 C.F.R. §1.17(i)(1). Please credit or debit Deposit Account No. ____ as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
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- ☐ 4. (other):

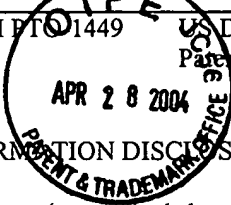
Applicant does not believe that any additional fee is due in connection with the foregoing. However, any deficiencies may be charged to the deposit account 50-0860.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "William F. Ryann". The signature is fluid and cursive, with the first name "William" and last name "Ryann" clearly distinguishable.

William F. Ryann
Registration No. 44,313
Agent for Applicant

Date: 4-23-04
Advanced Technology Materials, Inc.
7 Commerce Drive
Danbury, CT 06810
Agent Ref: ATMI-677

		US Dept. of Commerce Patent and Trademark Office		ATTORNEY DOCKET NO. ATMI-677		SERIAL NO. 10/738,353	
INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)				APPLICANT Michael Ward, et al.			
FILING DATE December 17, 2003				GROUP TBA			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
AA	5,221,413	6/22/ 1993	Brasen, et al.				
AB	5,810,924	9/22/1998	Legoues, et al.				
AC	6,117,750	9/12/2000	Bensahel, et al.				
FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION YES NO		
					X (abstract only)		
OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)							
AD	Currie, et al., J. Vac. Sci. Technol. B 19(6), Nov/Dec. 2001						
AE	Fitzgerald, et al., Appl. Phys. Lett., 59, (1991) 811						
AF	Larsen, Mat. Sci and Eng. B71, (2000), 6-13						
AG	Leitz, et al., J. Appl. Phys., Vol. 90, No. 6, 15 September 2001						
AH	Hsu, et al., Appl. Phys. Lett., 61, (1992), 1293						
AI	Yu, et al., Appl. Phys. Lett., Vol. 64, No. 24, 13 June 1994, 3305						
AJ	Li, et al., J. Vac. Sci. Technol. B 16(3), May/June 1998						
AK	Kazuki Mizushima, et al., Mat. Res. Soc. Symp. Proc., Vol. 648, 2001						
Continue on Page							
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							